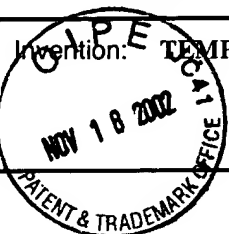
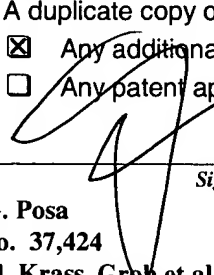
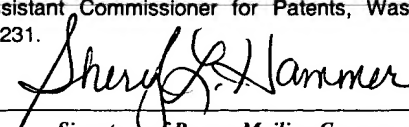
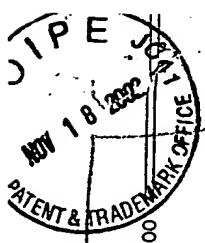


3736

<b>AMENDMENT TRANSMITTAL LETTER (Small Entity)</b>			Docket No. <b>ACU-10102/29</b>		
Applicant(s): <b>Haddock et al.</b>					
Serial No. <b>09/882,889</b>	Filing Date <b>June 15, 2001</b>	Examiner <b>C. Marmor II</b>	Group Art Unit <b>3736</b>		
<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;">  </div> <div style="width: 70%;"> Invention: <b>TEMPERATURE SENSING CATHETER</b> </div> </div>					
<u>TO THE ASSISTANT COMMISSIONER FOR PATENTS:</u>			<b>RECEIVED</b> <b>NOV 21 2002</b> <b>TECHNOLOGY CENTER R3700</b>		
Transmitted herewith is an amendment in the above-identified application.					
<input checked="" type="checkbox"/> Small Entity status of this application has been established under 37 CFR 1.27 by a verified statement previously submitted.					
<input type="checkbox"/> A verified statement to establish Small Entity status under 37 FR 1.27 is enclosed.					
The fee has been calculated and is transmitted as shown below.					
<b>CLAIMS AS AMENDED</b>					
	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST # PREV. PAID FOR	NUMBER EXTRA CLAIMS PRESENT	RATE	ADDITIONAL FEE
TOTAL CLAIMS	14 -	20 =	0 x	\$9.00	\$0.00
INDEP. CLAIMS	2 -	3 =	0 x	\$42.00	\$0.00
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					\$0.00
<b>TOTAL ADDITIONAL FEE FOR THIS AMENDMENT</b>					<b>\$0.00</b>
<input checked="" type="checkbox"/> No additional fee is required for amendment.					
<input type="checkbox"/> Please charge Deposit Account No. _____ in the amount of _____ A duplicate copy of this sheet is enclosed.					
<input type="checkbox"/> A check in the amount of _____ to cover the filing fee is enclosed.					
<input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. <b>07-1180</b> A duplicate copy of this sheet is enclosed.					
<input checked="" type="checkbox"/> Any additional filing fees required under 37 C.F.R. 1.16.					
<input type="checkbox"/> Any patent application processing fees under 37 CFR 1.17.					
 _____ Signature			Dated: <b>Nov. 12, 2002</b>		
<b>John G. Posa</b> <b>Reg. No. 37,424</b> <b>Gifford, Krass, Groh et al</b> <b>280 N. Old Woodward Ave., Suite 400</b> <b>Birmingham, MI 48009</b> <b>Tel. 734/913-9300</b>			<div style="border: 1px solid black; padding: 5px;">         I certify that this document and fee is being deposited on <b>11-12-02</b> with the U.S. Postal Service as first class mail under 37 C.F.R. 1.8 and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.            _____          Signature of Person Mailing Correspondence    <b>Sheryl L. Hammer</b>          Typed or Printed Name of Person Mailing Correspondence       </div>		
CC:					

A



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

9/A  
B. Webb  
11/22/02

In re application of: Haddock et al.

Serial No.: 09/882,889

Group No.: 3736

Filed: June 15, 2001

Examiner: C. Marmor II

For: TEMPERATURE SENSING CATHETER

AMENDMENT

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NOV 21 2002

TECHNOLOGY CENTER R3700

Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

In response to the Office Action mailed August 12, 2002, please amend the above-referenced application as follows:

IN THE ABSTRACT:

*Replace the current Abstract with the following:*

A thermal sensing catheter finds particular utility in detecting and isolating unstable arterial plaque. Miniaturized temperature sensors, preferably in the form of microthermistors, are embedded into expandable presentation elements disposed at the distal end of a catheter. The sensors may then be deployed to measure the surface temperature of the inner wall of coronary arteries or other vessels at multiple sites to identify sites of elevated temperature indicative of unstable plaque. The presentation elements may assume a "hand" type design or an alternate basket-type structure. A plurality of thermal sensors are embedded into the sides of polymeric or metallic sensing elements which expand out from the centerline of a catheter toward the inner vessel walls.

IN THE SPECIFICATION:

*Replace the paragraph on page 8, lines 8-9 with the following:*

FIGURE 1D shows how the insulating capability of an expanding pad increases with increasing outside diameter (O.D.) for a given sensor size;

280 N. OLD WOODWARD AVENUE, STE. 400, BIRMINGHAM, MICHIGAN 48009-5394 (248) 647-6000  
GIFFORD, KRASS, GROH, SPRINKLE, ANDERSON & CITKOWSKI, P.C.

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